

IN THE SPECIFICATION-

Amendments to the Specification:

Please add the following new paragraph before the paragraph
"Field of the Invention" on page 1:

Claim to priority

This application claims the benefit of co-pending
United States patent application entitled "METHOD AND AN
ARRANGEMENT FOR OBJECTIVE ASSESSMENT OF VIDEO QUALITY" filed
October 17, 2000 and assigned serial number 09/601,901,
which is incorporated by reference herein.

Insert the following Abstract at the end of the patent
application:

Abstract

A method of and an arrangement for obtaining
quality indicators for an objective assessment of a degraded
or output video signal (11) with respect to a reference or
input video signal (10). The strength of edges or signal
transitions (12; 13) in both the input and the output video
signals (10; 11) are calculated (14) providing input and
output edge signals (15; 16). By processing (19; 21, 22) the
edge signals (15; 16) introduced edges (23) and omitted edges
(24) in the output edge signal (16) are established. For each
of the luminance and chrominance signals of a colour video
signal first and second quality indicators are obtained from
normalized values of the introduced edges (23) and the

Appl. No. (not yet known)

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omitted edges (24), relative to the output edge signal (23) and the input edge signal (24) normalized by first and second normalization factors, respectively. By using smeared Sobel filtering, correlation of calculated MOS and observed MOS by human test persons reaches a value of above 0.9.